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COUNTRY Sweden

CIA [redacted]

SUBJECT SAAB Jet Aircraft J-29 (Flying Barrel)/SAAB/ Engineers L. A. Stromberg and Paul Goransson

DATE_____

PLACE ACQUIRED (BY SOURCE) - - - -

Supplement to:

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Responsive to:

DATE (OF INFO) May 53

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1. In May 1953, Messers L. A. Stromberg and Paul Goransson, specialists in the test and measuring sections of Svenska Aeroplan A. B. (SAAB Aircraft Co.) in Sweden, visited our organization for several days. These visitors were especially interested in instruments designed for wind-tunnel installations, with reference to the unique, transonic wind tunnel, powered by four jet engines, erected by SAAB in 1952. They were also interested in automatic data-handling machines for use in converting the large amount of data collected in flight tests.

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2. According to these visitors, SAAB employs about 5000 people at the present time /May 1953/. According to Mr. Stromberg, the workers are not enthusiastic about working in the five-story subterranean portion of the SAAB plant, which houses critical machinery and equipment beneath a ceiling fifty feet thick. According to Mr. Goransson, women are seldom employed in electrical assembly and other precision work at SAAB, in distinct contrast to many US manufacturers.

3. In the testing of the prototype of SAAB's jet aircraft J-29 (Flying Barrel), a US manufactured oscillograph recorded 200 sources of information on seven galvanometers, by the use of a full rotation switch and programming it to pick off 33 points of information on each galvanometer. This prototype "was equipped with about 800 lbs of mostly electric measuring equipment, most of it of ... /SAAB/ design.... Records were done on an ... oscillograph ... and another 12-channel oscillograph plus a camera panel. By using stepping switches

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especially for strain - and precise measurements we /L.A. Stromberg; SAAB/ were able to plot about 500 differant data values per two seconds. In principle we still use the same arrangement in our test-work on new jet aircrafts. A picture with a gun-bay door open showing the equipment can be mailed to you in about three weeks."

/Available on loan from CIA Library are:

(a) Saab-29 - Some Technical Data, Svenska Aeroplan Aktiebolaget, Linköping, Sweden, 3 pp. printed /pamphlet for general dissemination/,

(b) Facts about SAAB, ibid,

(c), (d) Photostatic Reproduction of 2 news release photographs showing Mr. L.A. Stromberg and Paul Goransson.

(e) Microfilm of photographs showing:
FPL 29 Instrument Installation in the Right Gunbay (Rearpart - Instrument Panel, Camera, Wirerecorder, and Trimboxes) 1948,
FPL 29 Installation of Straingauges; Equipment in the Left Gunbay (Bridge Trimboxes with Covers Removed, Stepping Switches) 1948,
FPL 29 Flight Test Instrumentation /General Outside View of Entire Aircraft/ 1948,
FPL 29 Instrument Installation in the Gunbay - Front Part (Trimboxes, Camera, Wire Recorder, Stepping Switch, Angular Velocity Gyro)./

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